

Date: Thu, 15 Jul 93 04:30:17 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #857  
To: Info-Hams

Info-Hams Digest                      Thu, 15 Jul 93                      Volume 93 : Issue    857

Today's Topics:

                    Antenna space problem  
                    Be Careful What You Chew!  
Communities that unduly restrict Amateur Radio operations  
                    CW in weird places  
Daily Solar Geophysical Data Broadcast for 14 July  
Filter Bandwidth, not easy to mod  
                    IARU Contest ???  
Internet E-mail to 2 meters?  
                    machine-generated CW  
                    More SWR  
Recharging ALKALINE batteries (2 msgs)  
                    TS-50  
                    Tube wanted

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 15 Jul 93 03:28:08 GMT  
From: ogicse!uwm.edu!csd4.csd.uwm.edu!pachner@network.UCSD.EDU  
Subject: Antenna space problem  
To: info-hams@ucsd.edu

I have no access to outside because the houses are real close, I'm on the  
first floor, and kids play around near my porch continually.

What can I do?

(so my english sucks, but I'm a musician)

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Thomas Jay Pachner -- Music Major, Bassist, and Amateur Operator (soon)  
University of Wisconsin - Milwaukee - pachner@csd4.csd.uwm.edu  
Amateur Call Sign: Somewhere between Milwaukee and Gettysburg

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Date: Wed, 14 Jul 93 13:17:55 GMT  
From: mercury.hsi.com!a3bee2!cyphyn!randy@uunet.uu.net  
Subject: Be Careful What You Chew!  
To: info-hams@ucsd.edu

andywang@crown.berkeley.edu (Andrew Wang) writes:  
: haynes@cats.ucsc.edu (Jim Haynes) writes:  
:  
:  
: >There was a little item in the back of the newspaper last week about a man  
: >who was found, on a routine health screening, to have lead poisoning.  
: >He was an electrician who was in the habit of chewing on little pieces  
: >of insulation stripped off wires. The lead was said to come from the  
: >coloring matter in the insulation. I guess they don't use USDA approved  
: >food coloring.  
: >--  
: >haynes@cats.ucsc.edu  
: >haynes@cats.bitnet  
:  
: I had an friend engineer (he's not Fred) who I observed chewing solder.  
: It's amazing what some people aren't aware of these days. Seems like beer  
: is a more fun way to do away with some brain cells.  
:  
: Andrew

Add also, if you do a lot of soldering, handling solder( lead+tin ) and - like  
some might do - eating a snack, you end up 'eating' solder.

A small amount can rub off on your hands, you grab a sandwich, and.....

So, its a good idea to wash hands well, after handling a lot of solder, wether  
you are going to eat right away or not.

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Randy, KA1UNW

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Date: Wed, 14 Jul 1993 21:51:59 GMT  
From: haven.umd.edu!darwin.sura.net!newsserver.jvnc.net!yale.edu!nigel.msen.com!  
well!moon!pixar!bruce@ames.arpa  
Subject: Communities that unduly restrict Amateur Radio operations  
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, I wrote:

>>I'd like to know if anyone at ARRL or elsewhere is keeping an anecdotal  
>>file on communities that attempt to restrict amateur radio activities,  
>>through antenna restrictions, nuisance suits, and otherwise. If so, is  
>>this file publicly accessible?

jhennessee@arrl.org (John Hennessee) responded:

> This is a good suggestion, however, it isn't possible for several  
> reasons.

John goes on to point out the organizational and personnel difficulties of maintaining a file for online access on all communities that have taken hostile action toward ham radio. He outlines how to find out this information for a specific community.

As he points out, such an online file would not be accurate, would not be complete, etc. I think, however, that it might be possible for an internet server not affiliated with the ARRL to maintain an \_anecdotal\_ file, which would contain messages such as "My neighbors in <town> sued me on <date> and <won/lost>, details follow". Obviously there would have to be disclaimers regarding the accuracy of the information, etc.

Rather than suggest that the ARRL maintain such a file, I was asking if such a file existed. I think that it would be better carried out by volunteers on the internet and packet radio than by the ARRL, since all of the data entry and handling of queries could be handled by e-mail servers, and any ham would be able to submit data via internet or packet mail.

I'm capable of putting this up on one of my servers if the general opinion is that it would be worthwhile.

Bruce Perens, KD6OTD

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Date: Wed, 14 Jul 1993 23:23:11 GMT  
From: agate!howland.reston.ans.net!newsserver.jvnc.net!newsserver.egr.uri.edu!  
orca!swamik@ames.arpa  
Subject: CW in weird places  
To: info-hams@ucsd.edu

Speaking of hearing CW coming from odd places: A few weeks ago  
our cable tv setup was having trouble. Some channels were terrible, u couldn't

see or hear anything. But one channel had a blank screen, but the audio was CW!! Not faint CW i \*thought\* i heard in the background, but loud an clear RST was 599!!! I copied the CW in my head, it was just a long string of letters and numbers that made no sense. When I called the cable company to ask what the heck was going on, the person I spoke too did'nt know what I meant by "I'm hearing morse code on channel 13"!!! So I just gave up and after a few days the CW dissapeared.

73s de KB1AMB/AA

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Date: 15 Jul 93 03:36:39 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Daily Solar Geophysical Data Broadcast for 14 July  
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 195, 07/14/93  
10.7 FLUX=092.6 90-AVG=109 SSN=092 BKI=1100 0000 BAI=000  
BGND-XRAY=B1.2 FLU1=5.3E+05 FLU10=1.3E+04 PKI=2222 1112 PAI=005  
BOU-DEV=006,005,004,002,003,003,26707,004 DEV-AVG=3341 NT SWF=00:000  
XRAY-MAX= B9.5 @ 1227UT XRAY-MIN= A7.9 @ 0028UT XRAY-AVG= B1.6  
NEUTN-MAX= +003% @ 0200UT NEUTN-MIN= -003% @ 0805UT NEUTN-AVG= +0.0%  
PCA-MAX= +0.0DB @ 1255UT PCA-MIN= -0.8DB @ 1900UT PCA-AVG= -0.2DB  
BOUTF-MAX=55379NT @ 1340UT BOUTF-MIN=55355NT @ 1706UT BOUTF-AVG=55367NT  
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+072,+000,+000  
GOES6-MAX=P:+117NT@ 1606UT GOES6-MIN=N:-060NT@ 1817UT G6-AVG=+099,-015,-040  
FLUXFCST=STD:095,095,100;SESC:095,095,100 BAI/PAI-FCST=005,005,010/010,010,010  
KFCST=1112 1111 1122 1111 27DAY-AP=005,002 27DAY-KP=1112 1222 1010 1\*\*2  
WARNINGS=  
ALERTS=  
!!END-DATA!!

NOTE: The Effective Sunspot Number for 13 JUL 93 was 50.8.  
The Full Kp Indices for 13 JUL 93 are: 2+ 3o 4- 3- 3- 2+ 2o 2-

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Date: Wed, 14 Jul 93 12:40:43 GMT  
From: mercury.hsi.com!a3bee2!cyphyn!randy@uunet.uu.net  
Subject: Filter Bandwidth, not easy to mod  
To: info-hams@ucsd.edu

Mechanical filters are made by using tiny, machined metal discs, which are

mounted on a wire.

The size of the disc has all to do with what frequency it will be resonant at, and at 455kc, we are talking about 3/8" dia, 1/64" thick ( roughly).

The discs are made resonant at the frequency the filter is labled as, +/- a certain amount, which determines the bandwidth.

The wire leads to an input coil and an output coil, which then use the effect of magno-striction to pass the signal thru to to discs, which pass only those freqs they are resonant at.

To c h a n g e the bandwidth, would require taking apart the unit, remove the discs and re-machine them to a higher freq, matching the disc whose freq is the highest of the lot. ( I take it, one wants CW passband width )

So, we are talking about somthing equal to doing surface-mount tech. --- something only someone wanting to see if it could be done, would dare do.

If all someone really wants is to narrow up the rig, not trying to make it seem 'original' ( as for antique sets ) , then consider a crystal filter, which would not be so hard to build....using WOLPS's crystals.

Randy, KA1UNW

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Date: Wed, 14 Jul 1993 23:56:09 GMT  
From: haven.umd.edu!darwin.sura.net!howland.reston.ans.net!newsserver.jvnc.net!  
newsserver.egr.uri.edu!orca!swamik@ames.arpa  
Subject: IARU Contest ???  
To: info-hams@ucsd.edu

Hi

Maybe this is a dumb ques, and I should probably know the answ.  
But I saw the ARLL Bulletin abt the IARU Contest on Saturday. What is this.  
What does IARU stand for (Int'l Amateur Radio U???????)

tnx  
es  
73s de kb1amb/aa

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Date: Wed, 14 Jul 1993 23:04:18 GMT  
From: haven.umd.edu!darwin.sura.net!jabba.ess.harris.com!mlb.semi.harris.com!  
mtmis1.mis.semi.harris.com!cac@ames.arpa  
Subject: Internet E-mail to 2 meters?

To: info-hams@ucsd.edu

Can I exchange E-mail from Inet to a 2 meter ham operator? He uses packet radio. Please reply with E-mail since I do not monitor this group.

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| Clint Chamberlin      | "Not tonite, honey... I have a modem" |
| HARRIS SEMICONDUCTOR | Internet: cac@mtmis1.mis.semi.harris.com |
| Mountaintop, PA      | Phone: 717-474-3240 Fax: 717-474-3279 |
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Date: Thu, 15 Jul 1993 00:16:50 GMT  
From: pa.dec.com!nntpd2.cxo.dec.com!goedux.enet.dec.com!jepson\_st@decwrl.dec.com  
Subject: machine-generated CW  
To: info-hams@ucsd.edu

>  
>I've always wondered: just how did this "swing" and "distinctive fist" stuff  
>get started anyway? Did someone really think there is some benefit to sending  
>Morse code in a way that is different from the proper ratios...  
>  
(lots of stuff deleted)

I'm inclined to agree. Poorly sent CW is a terrible strain on the ear.  
When the dot dash ratio varies between 1.5 to 1 and 20 to 1, in the  
same transmission, that's a little too 'distinctive' for me.

I don't usually care much for computer sent CW. I find that many op's  
using computer keyboards spell out every word and tend to send long  
monologs that give me writers cramp.

It's too bad the sending test has been eliminated. More and more really  
bad fists are showing up on HF. I'm sure these folks can copy just fine  
but they don't seem to be able to space their letters and words. I ran  
into a guy (or gal) the other night that was sending CQ at about 10 wpm  
in the general section of 20 meters (at least, I think it was CQ). I  
couldn't figure out his/her call. (it sounded different every time he/she  
sent it).

daaaaaaaaaah daaaaaaaaaaaaaaaaaaaaaah ditditdit ditditditdaaaaaaaaaah daaaaaaah

Steve...AI7W

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Date: 14 Jul 1993 15:41:04 -0700  
From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!asuvax!chnews!ornews.intel.com!  
ornews.intel.com!not-for-mail@ames.arpa  
Subject: More SWR  
To: info-hams@ucsd.edu

In article <930714105128.cb5@MAR65.MAR.ORA.FDA.GOV>  
ODONNELL@MAR65.MAR.ORA.FDA.GOV writes:

>In a word, efficiency! Some believe in the concept of the "coupling"  
>to the ionosphere, but I never have understood that or believed it for  
>that matter! There was a time when most amateur's believed that the  
>radiation resistance of the antenna was significant in the sense that  
>there was some magical number that worked better than any other. What  
>this relates to tho', I believe, today we would refer to as efficiency.

Does this have anything to do with the impedance of free space,  
377 ohms/meter? Why not extend the maximum transfer of power theorem  
beyond the transmitter-antenna system right out into the "Ether"?  
Is a 300 ohm folded dipole for the 2 meter band a closer match to free  
space?  
If it wasn't for the convenience of coax we would all be closer to  
nature still.

--  
WA7LDV zardo@ornews.intel.com

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Date: 15 Jul 93 00:53:20 GMT  
From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net  
Subject: Recharging ALKALINE batteries  
To: info-hams@ucsd.edu

It has also been said that these alkalines can only be charged  
something like 10-20 times whereas NiCds are ~500 times. Alkalines also  
have a lower internal resistance ...

I find that last line hard to believe. NiCads have next to no internal  
resistance. That's what makes them tricky in some circumstances. It's  
also why NiCads are used for some applications (such as starting jet engines)  
than Lead-Acid batteries.

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Date: Wed, 14 Jul 93 14:01:22 GMT  
From: mercury.hsi.com!a3bee2!cyphyn!randy@uunet.uu.net  
Subject: Recharging ALKALINE batteries

To: info-hams@ucsd.edu

morris@ucunix.san.uc.edu (Ted Morris) writes:

: Just to cloud the issue, I saw an infomercial this weekend with Dick  
: Clark touting a recharger for STANDARD ALKALINES (they were using  
: Duracells in the ad, judging from the packaging, although the camera  
: never got quite close enough to tell...). They made a big deal about it  
: using standard alkalines and recharging to give up to a total of 500  
: hours service in xstr radios, tape players, etc.

:

: Q1: Anyone else catch this?

: Q2: How in the world do they keep them from exploding--charge

: reeeeeaaaaal slow?

: Q3: What about the MnO2 depletion a recent poster noted occurs,  
: as a part of normal discharging, which recharging doesn't reverse?

:

: Q4: Why ask why? (sorry--listening to too many beer commercials!)

:

: Ted Morris, WB8VNV

: morris@ucunix.san.uc.edu

:

One CANNOT charge primary cells, PERIOD.

All that it does is offset the normal 'leakage current' that runs the cell  
down even if not in use.

Sounds like another Dr. Zooks Snake Oil treatment to me.

Randy, KA1UNW

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Date: 14 Jul 93 19:19:05 EST

From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa

Subject: TS-50

To: info-hams@ucsd.edu

In article <CA5qr4.1qo@feenix.metronet.com>, marcbg@feenix.metronet.com  
(Marc Grant) wrote:

> Well, from my operating experience (several hours with one) I can say that  
> while the receiver SOUNDS good (i.e., has good clarity, nice audio, etc.)  
> it leaves something to be desired for sensitivity. Plus, many of the  
> features one expects on a receiver are not available (notch, if shift).  
> For my money, I'd sacrifice size and get an Yeasu FT-890. This rig has a  
> great receiver, built in tuner & keyer, and, with the tuner, costs less  
> than the TD-50 with the tuner.

Marc-

Although I agree with your assessment of the FT-890, I still prefer the



TS-50. While the Yaesu offers a lot for the money, I find it more difficult to use.

I haven't had any complaint about TS-50 sensitivity. Even on Ten Meters, the atmospheric noise is stronger than any internally generated noise. It does have a "Scotch" S-Meter. I can understand signals on Ten Meters, that don't even register on the meter.

My TS-50 does have IF Shift, located on the same shaft as the RIT control. The bigger rigs have very few features that I miss on the TS-50. I seldom use the notch filter, XIT or speech processor on my other rig. I really appreciate the LCD display that can be read in direct sunlight. Being able to set up four functions to be controlled from the buttons on the microphone, is quite handy when mobile.

However, it is only a matter of time until the other manufacturers match the TS-50. A transceiver even smaller than the FT-890 would be neat, if it had a built-in tuner.

73, Fred, K4DII

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Date: 14 Jul 93 19:17:18 GMT  
From: prism.poly.edu!cchou@nyu.arpa  
Subject: Tube wanted  
To: info-hams@ucsd.edu

If any one of you have the following tubes or know where I can get these tubes, please contact with me.

1. RCA or GE 845
2. 50
3. WE 300B or 350B
4. RCA 2A3 single plate

Thanks in advance.

Jason 718-2759184

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End of Info-Hams Digest V93 #857  
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